

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/017,451

DATE: 01/04/2002 TIME: 09:53:49

Input Set : A:\ES.txt

Output Set: N:\CRF3\01042002\J017451.raw

ENTERED

7 <110 > APPLICANT: BARZU, OCTAVIAN 10 GILLES, ANN-MARIE 13 SAKAMOTO, HIROSHI MUNIER-LEHMANN, HELENE 16 22 <120 > TITLE OF INVENTION: GENES ENCODING UMP KINASE METHODS FOR PURIFYING UMP KINASE AND METHODS OF CHARACTERIZING UMP KINASE 23 29 -: 130 > FILE REFERENCE: 217489US0 35 <140 > CURRENT APPLICATION NUMBER: US/10/017,451 > 35 <141> CURRENT FILING DATE: 2001-12-18 35 -: 150 - PRIOR APPLICATION NUMBER: US 60/255,894 38 <151 > PRIOR FILING DATE: 2000-12-18 44 -: 160: NUMBER OF SEQ ID NOS: 3 50 ×170 × SOFTWARE: PatentIn version 3.1 56 -210 - SEO ID NO: 1 59 (211) LENGTH: 720 62 <212> TYPE: DNA 65 (213) ORGANISM: Bacillus subtilis 71 -: 400> SEQUENCE: 1 73 atggaaaaac caaaatacaa acgtatcgta ttaaagctta gcggggaagc attggcagga 120 77 gaacagggaa atggaattaa cccgactgtc attcaatcca ttgcaaagca agtgaaggaa 180 81 alegetgage tigaagtega agtggetgit gitgtaggeg geggeaacta tggegeggaa 85 aaaacaggaa gtgacctggg catggaccgc gcgactgctg actatatggg aatgctggcg 240 89 adagtaatga attogottgo tottoaagad agottggaaa cactoggaat coagtodaga 3(1)() 93 gtqcaaacat ccattgaaat gagacaaqtt gctgaaccgt acataagaag aaaagcgata 360 420 97 cgccacttag agaaaaaacg tgtcgttatt ttcgctgcgg gcacaggaaa cccatatttc 101 toaactgata egacagetge actgeggget getgaaattg aggeagaegt tattttaatg 480 105 getaaaaata aegttgaegg tgtgtataat getgateeta gaaaagatga ateagetgtt 540 109 aagtatgaat cactitotta tottgacgit ottaaagacg gootggaagi caiggaitca 600 113 acagetteet etttatgeat ggacaatgae atteegetta tegtettite tattatggaa 660 117 gaaqgaaata thaaacgtgo ogttatoggt gaatcaatog gaacgatogt gagggggaaa 720 123 + 210 > SEQ ID NO: 2126 <211> LENGTH: 711 129 <212> TYPE: DNA 132 <213> ORGANISM: Haemophilus influenzae 138 - 400> SEQUENCE: 2 140 angagceaac caatttataa acgtatttta ttgaaattaa geggtgaage attacaagga E, () 144 gaagatggto tiggitatoga tootgogatt ologatogta tggotgitga aattaaagaa 120 148 thagtggaga tgggtgtgga agtcagtgtc gttctcggtg gtggcaactt attccgtggc 180  $152\ {
m gcaaaactag}$  caaaagcggg gatgaatcgc gtggtgggcg atcatatggg aatgettgct 240 156 actgtgatga atggtttggc aatgcgtgat totttattoc gtgctgatgt gaacgcaaaa 300 360 160 thaatgteeg ettteeaatt aaatggtatt tgegataett ataaetggte tgaagetate 164 aaaatgttac gegaaaaacg egtagteatt ttetetgegg gaacgggaaa tecattettt 420480168 arcactgatt ctaccgettg tttgegtggt attgaaattg aagetgatgt tgtgttgaaa  $1\,{}^{\circ}2$  gegactaaag tigaiggigt gialgatigt galeetgega aaaateetga tigeaaaacti 540 600 176 tataaaaatt taagttatgo ayaagtgato gahaaagaat taaaagtgat ggachhatog 660 180 gegittaett tagetegega teatggeatg eegattagag tgiteaatat gggtaaaeet

184 gqagcattac gtcaagtagt gactggtact gaagaaggca ccactatttg t

711

RAW SEQUENCE LISTING

DATE: 01/04/2002 PATENT APPLICATION: US/10/017,451 TIME: 09:53:49

786

Input Set : A:\ES.txt

Output Set: N:\CRF3\01042002\J017451.raw

190	<210> SEQ	ID NO: 3					
193	<211. LENGTH: 786						
196	(212) TYPE: DNA						
199	<pre>&lt;:213: ORGANISM: Mycobacterium tuberculosis</pre>						
205	<400. SEQUENCE: 3						
207	atgacagago	cegatgtege	cggcgcgccg	gcttcgaagc	eggageetge	gagcactggc	60
2.1.1	geogegtogg	eggeteaget	gtccgggtac	tcgcgagtgt	tgctcaagct	cggcggggaa	120
<i>2</i> 1.5	atgtteggeg	gaggecaggt	cgggctggat	cccgatgtcg	togogoaggt	ggcccgccag	180
219	atogoogatg	tggtgcgcgg	eggeyteeag	atcgccgtcg	tgateggegg	cggcaacttt	240
223	titidaggggg	cacagetgea	gcageteggt	atggagcgca	ccaggtcgga	ctatatggga	300
227	atgeteggea	ctgtcatgaa	cagoottgca	ctgcaagact	tectggagaa	ggaaggcatc	360
2.31	qt.tadccgag	tecagacege	gatcaccatg	ggccaggtgg	ccgaaccgta	cctgccgttg	420
235	egggeegtee	gecaectgga	gaagggacgg	gtggtgatct	teggtgeegg	catggggctg	480
239	cogtactttt	cgacggatac	caccgcagcg	cagcgtgcgc	tggagatcgg	tgccgacgtg	540
243	qt.cttgatgg	ccaaagcggt	cgacggtgtg	tttgctgagg	atccgcgggt	gaaccccgag	600
247	googaactgo	teacegeegt	cagtcatcgt	gaggtcctcg	accgcgggct	gcgagtagcc	660
251	часупсассу	cgttcagcct	ttgcatggac	aatggcatgc	cgatcctggt	gttcaacctg	72()
255	ct.gaccgatg	gcaatatege	ccgtgctgtt	cggggtgaga	agatcggaac	gctggtcacc	780

259 addtaa

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/017,451

DATE: 01/04/2002

TIME: 09:53:50

Input Set : A:\ES.txt

Out.put Set.: N:\CRF3\01042002\J017451.raw

L:35 M:270 C: Current Application Number differs, Replaced Current Application No

L:35 M:271 C: Current Filing Date differs, Replaced Current Filing Date